Contents of Volume 4

Volume 4 Number 1

Editorial

Plurihormonal pituitary tumors: Beyond the one cell-one hormone theory **1**
Kamal Thaper, Lucia Stefaneanu, Kalman Kovacs, Eva Horvath, Sylvia L. Asa

Special Articles

The adrenal gland in AIDS **4**
Heidrun Rotterdam and Francine Dembitzer

Different responses to mitogenic agents by adult rat and human chromaffin cells in vitro **15**
Arthur S. Tischler and Jocelyn C. Riseberg

Original Articles

Null cell adenomas, oncocytomas, and gonadotroph adenomas of the human pituitary: An immunocytochemical and ultrastructural analysis of 300 cases **20**
George Kontogeorgos, Kalman Kovacs, Eva Horvath, Bernd W. Scheithauer

Bromocriptine-induced reversible lysosomal change and reduction of prolactin and growth hormone messenger RNA in cultural GH_3 cell lines **28**
Keiichi Kamijo, Miyako Sato, Teizo Saito, Tsuyoshi Yabana, Akira Yachi, Nobuyuki Fujii, and Takashi Minase

Case Reports

Morphologically unclassified GH-producing adenoma showing galactorrhea without acromegaly **34**
Shozo Yamada, Lucia Stefaneanu, Eva Horvath, Kalman Kovacs, and Kesava Reddy

Composite enteric-type adenocarcinoma-carcinoid of the nasal mucosa **40**
Marzia Bonato, Bruno Frigerio, Carlo Capella, Anna Maria Chiaravalli, and Michele Cerati

Adenohypophyseal tissue in an immature teratoma of the human ovary **48**
Dragana Pilavdzic, Brian Chiu, Kalman Kovacs, Zi Cheng, and Ara Chalvardjian

Fatal sporadic medullary carcinoma of the thyroid **53**
H. Ruben Harach and Ulla Bergholm

Volume 4 Number 2

Editorial

Fine needle aspiration cytology: A key to thyroid diagnosis **61**
G.W. Gardiner

Review

Introduction to molecular endocrine pathology **64**
Ricardo V. Lloyd

Original Articles

In situ hybridization study of growth hormone, prolactin, and proopiomelanocortin mRNAs in adenohypophyses of mice transgenic for human growth hormone **73**
Lucia Stefaneanu, Kalman Kovacs, and A. Bartke

Short-term morphologic and functional effects of bromocriptine on pituitary prolactin cell adenomas in vitro **79**
Sylvia L. Asa, Reka Kovacs, and Kalman Kovacs

Corticotroph (basophil) invasion of the pars nervosa in the human pituitary: Localization of proopiomelanocortin peptides, galanin, and peptidylglycine alpha-amidating monooxygenase-like immunoreactivities **86**
Ricardo V. Lloyd, Constance J. D'Amato, Michelle T. Thiny, Long Jin, Samuel P. Hicks, and William F. Chandler

Immunohistochemical study of p53 protein in human and animal pituitary tumors **95**
Toshiko Sumi, Lucia Stefaneanu, Kalman Kovacs, Sylvia L. Asa, and Guido Rindi

Case Reports

Parathyroid nodules in a patient with chronic renal failure: Hyperplasia or neoplasia? **100**
Naomi Ross, Chung-Shan Leung, Kalman Kovacs, and David Murray

Thyroid multifocal granulomatous follicullitis (palpation thyroiditis): An immunocytochemical study **105**
H. Ruben Harach and Bharat Jasani

Anaplastic carcinoma of the thyroid with sclerohyaline nodules **110**
Runjan Chetty, Alan E. Mills, and Virginia A. LiVolsi

Volume 4 Number 3

Editorial

Branchial and thymic remnants in the thyroid and cervical region: An explanation for unusual tumors and microscopic curiosities **115**
Virginia A. LiVolsi

Review

The endocrine pancreas and its tumors **120**
Sylvia L. Asa

Original Articles

Effect of intravenous infusion of growth hormone-releasing hormone on the morphology of rat pituitary somatotrophs **131**
Lucia Stefaneanu, Kalman Kovacs, Eva Horvath, Ross G. Clark, and Michael J. Cronin

Immunohistochemical study of granular cell tumors and granular pituicytes of the neurohypophysis **140**
Hiroshi Nishioka

Pit-1/GHF-1 transcription factor expression in rodent pituitaries **146**
Ricardo V. Lloyd, Long Jin, Elzbieta Kulig, Michelle T. Thiny, Kristina Fields, Thomas D. Landefeld, and Sally A. Camper

Squamous-cell nests in the parts tuberalis of the human pituitary: Immunocytochemical and in situ hybridization studies **155**
Toshiko Sumi, Lucia Stefaneanu, and Kalman Kovacs

Case Reports

Ectopic thymic tissue in the thyroid gland **162**
Yuji Mizukami, Akitaka Nonomura, Takatoshi Michigishi, Masakuni Noguchi, and Shinobu Nakamura

Deoxycorticosterone-secreting adrenocortical carcinoma **165**
Akihiro Yamamoto, Takushi Naroda, Susumu Kagawa, Yoshihumi Umaki, Yasumi Shintani, Toshiaki Sano, and Hironobu Sasano

Idiopathic giant-cell granuloma of the pituitary with unusual clinical and histological features **169**
Shozo Yamada, Shinji Sawano, Tadashi Aiba, Yoshimasa Shishiba, Toshiaki Sano, Seiji Takahashi, Kazuo Takebe, and Shigetoshi Yanagiya

Volume 4 Number 4

Editorial

Molecular pathology of sporadic pituitary tumors **175**
Diane Prager and Shlomo Melmed

Review Article

The role of prolactin in the pathogenesis of autoimmune disease **178**
Istvan Berczi

Original Articles

Adenomatous Leydig cell hyperplasia of the testicle remnant after subtotal orchidectomy in the rat **196**
F. Szarvas, S. Karcsú, I. Tóth, M. Gálfi, J. Julesz, and I. Faredin

Immunohistochemical expression of pit-1 protein in human pituitary adenomas **201**
Kenichi Inada, Koji Oda, Hirotoshi Utsunomiya, Naoko Sanno, Johbu Itoh, R. Yoshiyuki Osamura, Jeffrey W. Voss, and Michael G. Rosenfeld

Studies on functional and morphological aspects in human multtinodular simple goiter tissues **205**
Meyer Knobel, Helio Bisi, Clovis de Araujo Peres, and Geraldo Medeiros-Neto

The association of well-differentiated thyroid carcinoma with insular or anaplastic thyroid carcinoma: Evidence for dedifferentiation in tumor progression **215**
Bernard F.A.M. van der Laan, Jeremy L. Freeman, Richard W. Tsang, and Sylvia L. Asa

Case Report

Adrenal spindle-cell sarcoma with features of malignant peripheral nerve sheath tumor **222**
H.R. Harach and P. Laidler

Contents of Volume 4 226

Indexes to Volume 4 227